

**REMARKS**

Applicants request reconsideration and allowance of the present application in view of the foregoing amendments and the following remarks.

Claims 1, 3, 4, 6, 9-23, 26-28, 30 and 34 are pending in the present application. Claims 1, 22, 26, 27, and 34 are the independent claims.

Claims 2, 5, 8, 24, 25, 29, and 31-33 have been cancelled without prejudice to or disclaimer of the subject matter recited therein. Claims 1, 22, 26, 27, 30 and 34 have been amended. No new matter is believed to have been added.

Claims 1, 6, 9, 12-20, 22-31, and 34 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,224,216 (Parker et al.) in view of U.S. Patent No. 6,288,815 (Lambert). Claims 2-5, 8, 10, 11, 21, 32, and 33 were rejected under 35 U.S.C. § 103(a) as being unpatentable over (Parker et al.) in view of (Lambert) and further in view of U.S. Patent No. 6,594,090 (Kruschwitz et al.). All rejections are respectfully traversed.

Independent claim 1 recites, inter alia, a scrolling unit having spirally arranged cylinder lens cells on a disk.

Independent claim 22 recites, inter alia, scrolling color beams by rotating an optical element having spiral lens cells on a disk.

Independent claim 26 recites, inter alia, scrolling color beams by rotating an optical element having spirally arranged cylinder cells on a disk.

Independent claim 27 recites, inter alia, a scrolling unit rotatably ... having a plurality of spirally arranged cylinder lens cells on a disk.

Independent claim 34 recites, inter alia, a rotatable scrolling unit ... having spiral lens cells on a disk.

However, Applicants respectfully submit that none of the asserted citations teaches or suggests at least the aforementioned features of independent claims 1, 22, 26, 27, and 34. Thus, without conceding the propriety of the asserted combinations, it is respectfully submitted that the asserted combinations are likewise deficient.

Regarding the rejection of independent claims 1, 22, 26, 27, and 34 under 35 U.S.C. § 103, the Office Action acknowledges that Parker et al. does not teach or suggest a scrolling unit with spirally arranged cylinder cells. (Office Action, page 3). Nonetheless, the Office Action

contends that Lambert provides the necessary teaching or suggestion of this feature. (Office Action, page 3).

As the Office Action acknowledges, FIG. 7B of Lambert shows a single spiral lens that spirals on a disk. (Office Action, page 3; Lambert, Col. 11, lines 12-15). Nonetheless, the Office Action contends that because Lambert discusses providing plural moving positive lens arrays on a single shaft, plural spiral lenses are taught or suggested. (Office Action, page 3).

Lambert discusses providing plural lens arrays on a single shaft. (Lambert, Col. 11, lines 22-26). However, the only lens array Lambert discusses is a lens array with a single spiral cylinder lens. Stated another way, each lens array comprises a single spiral lens. Thus, such an arrangement at best provides plural spiral lenses on plural disks. For at least this reason, Lambert does not even suggest plural spiral lenses on a single disk.

Kruschwitz et al. is cited for its alleged teachings of various features of claims 2-5, 8, 10, 11, 21, 32, and 33. Applicants respectfully submit that Kruschwitz et al. adds to the teachings or suggestions of Parker et al. and Lambert that would remedy the aforementioned deficiency.

Accordingly, favorable reconsideration and withdrawal of the rejection of independent claims 1, 22, 26, 27, and 34 under 35 U.S.C. § 103 are respectfully requested.

In view of the foregoing, Applicant respectfully submits that the independent claims patentably define the present invention over the citations of record. Further, the dependent claims should also be allowable for the same reasons as their respective base claims and further due to the additional features that they recite. Separate and individual consideration of the dependent claims is respectfully requested.

Applicant believes that the present Amendment is responsive to each of the points raised by the Examiner in the Official Action. However, if there are any formal matters remaining after this response, The Examiner is requested to telephone the undersigned to attend to such matters.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.


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If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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